In the Claims

1. (Currently Amended) A process for management of data transfer to a specific destination station having a plurality of real addresses, the process being applied to a multiplicity of telecommunications supports and comprising:

defining a virtual address of a destination station, said destination station having a plurality of real addresses;

sequentially searching through the real addresses according to one of a plurality of time-related sequences until obtaining a positive response from a real address establishing a communications channel, said time-related sequence being a predetermined ordered sequence;

transferring data by the communications channel;

storing in a memory, time-related communication parameters concerning each failure in the establishment of a communications channel, and each success in the establishment of a communications channel;

processing by an iterative learning process in a neural network said time-related communications parameters stored in the memory by correlating at least one of the time-related communications parameters ~~with failure and success in establishing the communications channel~~ with the real address; and

determining a new order of the time-related sequence for sequentially searching through the real addresses based on the correlation.

2.-4. (Cancelled)

5. (Currently Amended) The process according to claim 1, wherein the processing performed ~~on~~ by the iterative learning process in the neural network of the time-related communications parameters stored in the memory is a statistical processing.

6. (Previously Presented) The process according to claim 1, wherein the communications parameters are selected from the group consisting of date and time.

7. (Currently Amended) A communication device comprising:

telephonic communications transport means and data transfer means;

means for storing in a memory calls issued and received by a party;

means for storing in the memory addresses enabling connection of the party;

means for sequential calling of a destination station from an ordered time-related list of addresses;

means for the storage in the memory of a history of past communication sequences comprising time-related communications parameters concerning each failure in the establishment of a communications channel, and each success in the establishment of a communications channel;

means for modeling optimal sequences for a multiplicity of telecommunications supports, said means for modeling processing by an iterative learning process in a neural network of time-related communications parameters stored in the memory to model the optimal sequences; and

means for modifying the order of the time-related list in which the addresses are sequentially called based on the optimal sequences.

8. (Previously Presented) The process according to claim 1, wherein one of the time-related communications parameters is time of day.

9. (Previously Presented) The process according to claim 1, wherein one of the time-related communications parameters is day of week.

10. (Currently Amended) A process for establishing communications with a specific destination station having a plurality of real addresses, the process comprising:

defining a virtual address of a destination station depending ~~of~~ on the time of the day or day of the week, the destination station having a plurality of real addresses;

when a communication is directed to the virtual address, sequentially searching through the real addresses according to one of a plurality of time-related sequences until a positive response from a real address establishes a communications channel;

recording time-related data comprising the real address from which the positive response was received and one or more time-related parameters associated with the communication concerning each failure in the establishment of a communications channel, and each success in the establishment of a communications channel, at least one of the time-related parameters being selected from the group consisting of time of day and day of week;

processing by an iterative learning process in a neural network the time-related parameters to determine an optimal order to sequentially search the real addresses for a particular time of day or day of week; and

changing the order in which the real addresses are sequentially searched for the time of day or day of week.

11. (Previously Presented) The process according to claim 1, wherein establishing a communications channel is performed by selectively choosing an outgoing telecommunications network.

12. (Previously Presented) The process according to clam 11, wherein said selective choice is performed according to a least cost routing process.

13. (Previously Presented) The process according to claim 1, wherein determining a new order of the sequence is performed each time an attempt is made to establish a communications channel.

14. (Previously Presented) The process according to claim 1, wherein sequentially searching is performed automatically.

15. (Previously Presented) The process according to claim 1, wherein sequentially searching is performed semi-automatically in a way that an operator provides an extra service.

16. (Previously Presented) The process according to claim 15, wherein said extra service is at least one selected from the group consisting of interpretation of a party's requests, searching for or supplying information, scheduling appointments and interactive filtering.